CLAIMS

1. A device for analyzing the physicochemical properties of a cutaneous surface, having:
   - a set of sensors (5, 7, 8, 9) grouped and located in an acquisition region (4), in front of which said cutaneous surface to be analyzed is intended to be placed;
   - a processing unit (1) interfaced with the set of sensors, said unit being equipped with analysis means for determining certain physicochemical properties of the cutaneous surface to be analyzed, on the basis of the signals produced by said set of sensors (5, 7, 8, 9).

2. The device as claimed in claim 1, characterized in that the set of sensors comprises:
   - a pH sensor (8);
   - a cutaneous print sensor (5), capable of measuring the topography of the cutaneous surface to be analyzed;
   - a skin moisture sensor.

3. The device as claimed in claim 2, characterized in that the set of sensors furthermore comprises at least one of the sensors selected from the group comprising:
   - a temperature sensor (8);
   - an ambient humidity sensor (7);
   - a lipid level sensor;
   - a sensor for elastic deformation of the cutaneous surface to be analyzed.

4. The device as claimed in claim 1, characterized in that at least one of the sensors is made from micro-electromechanical systems (MEMS).

5. The device as claimed in claim 1, characterized in that the acquisition region is arranged on a fixed base intended to come in contact with the cutaneous surface.

6. The device as claimed in claim 1, characterized in that the acquisition region is arranged on a mobile component (2), which is electrically connected to the processing unit (1) and can be moved in front of the cutaneous region to be analyzed.

7. The device as claimed in claim 1, characterized in that the mobile component is connected to the processing unit by a wireless connection, for example radio.

8. The device as claimed in claim 1, characterized in that the processing unit is connected to a display terminal (10).

9. The device as claimed in claim 8, characterized in that it has a plurality of mobile components, each including an acquisition region, which are connected to a processing unit.

10. The device as claimed in claim 1, characterized in that the processing unit classifies the cutaneous surface to be analyzed in a predetermined category, as a function of the physicochemical properties which are determined.

11. The device as claimed in claim 1, characterized in that the processing unit is associated with a database of treatment products.

12. The device as claimed in claim 1, characterized in that it has means that can sterilize the acquisition region after each use.